

S9S08SG8E2CTG



Part Number: [S9S08SG8E2CTG](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 8KB FLASH 16TSSOP

Data sheet:  [MC9S08SG4,8](#)

RoHs Status: Lead free / RoHS Compliant

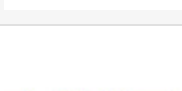
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                  |                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S9S08SG8E2CTG                             | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 8KB FLASH 16TSSOP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 70233 pcs                                 | Data sheet                       | <a href="#">MC9S08SG4,8</a>                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-TSSOP                                  | Speed                            | 40MHz                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | S08                                       | RAM Size                         | 512 x 8                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size              | 8KB (8K x 8)                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LVD, POR, PWM, WDT                        | Packaging                        | Tube                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-TSSOP (0.173", 4.40mm Width)           | Other Names                      | 935313927574                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description             | S08 S08 Microcontroller IC 8-Bit 40MHz 8KB (8K x 8) FLASH 16-TSSOP |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x10b                                 | Core Size                        | 8-Bit                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | S08                                       | Connectivity                     | I <sup>2</sup> C, LINbus, SCI, SPI                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | S9S08SG8                                  |                                  |                                                                    |
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